

09/1368549

ABSTRACT OF THE DISCLOSURE

A differential pressure measuring probe with an improved signal to noise ratio is provided. The probe includes a substantially flat longitudinally extending impact surface that is configured to create a dome of high pressure in the impacting fluid. The dome of high pressure provides an increased stagnation area on the impact surface to reduce noise in the measurement of impact pressure. A non-impact surface is provided with non-impact apertures to measure a non-impact pressure such that differential pressure between the impact surface and the non-impact surface can be calculated.